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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/629,643	07/29/2003	Marlin A. Frank	P-6193DIV	6862
75	590 07/01/2004		EXAM	INER
Michael L. Kenaga			HRUSKOCI, PETER A	
Piper Rudnick P.O. Box 64807			ART UNIT	PAPER NUMBER
Chicago, IL 60664-0807			1724	
			DATE MAILED: 07/01/200	4

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
•		/ X				
Office Action Summary	10/629,643	FRANK, MARLIN A.				
Onice Action Summary	Examiner	Art Unit				
The MAN INC DATE of this communication con	Peter A. Hruskoci	1724				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply of the NO period for reply is specified above, the maximum statutory period was really reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be ting within the statutory minimum of thirty (30) day ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 29 Ju	ily 2003.					
2a) This action is FINAL . 2b) This action is non-final.						
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4) Claim(s) 19-28 is/are pending in the application 4a) Of the above claim(s) is/are withdray 5) Claim(s) is/are allowed. 6) Claim(s) 19-28 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or	vn from consideration.					
Application Papers						
9) The specification is objected to by the Examine	r.					
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
11)[] The oath or declaration is objected to by the Ex	aminer. Note the attached Office	ACTION OF IOTH PTO-192.				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority document application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in Applicat rity documents have been receiv u (PCT Rule 17.2(a)).	ion No ed in this National Stage				
Attachment(s)						
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal F 6) Other:					

Application/Control Number: 10/629,643

Art Unit: 1724

The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed. "APPARATUS AND" should be deleted from the title.

Claim 19 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. In claim 19 "the head of air" lacks clear antecedent basis.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 19-28 are rejected under 35 U.S.C 103(a) as being unpatentable over Overy 4,966,962 in view of Hellenbrand et al. 5,096,596. Overy disclose (see col. 2 line 67 through col. 5 line 66) a method of aeration in an oxidizing filter system substantially as claimed. The claims differ from Overy by reciting steps for injecting air into an upper portion of the filter tank, and injecting unfiltered water into a head of air in the upper portion of the filter tank.

Hellenbrand et al. disclose (see col. 2 line 55 through col. 5 line 15) that it is known in the art to aerate water by injecting unfiltered water into a head of air in a aeration tank having a bed of material. It would have been obvious to one in the art to modify the method of Overy by utilizing the recited injecting steps in view of the teachings of Hellenbrand et al., to aid in aerating the unfiltered water. The specific basis for injecting the air, would have been an obvious matter of process optimization to one skilled in the art, depending on the specific water

Application/Control Number: 10/629,643

Art Unit: 1724

treated and results desired, absent a sufficient showing of unexpected results. With regard to claims 26-28, it is submitted that Overy as applied above appears to teach the venting of air from the filter tank when the water level in the tank drops below a predetermined level.

Claim 19 properly written to overcome the above 35 USC 112 rejection and to include method steps for using the filter for oxidizing and removing impurities from water as recited in claim 1 of the parent application U.S. Patent 6,627,070, would be allowable.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Peter A. Hruskoci whose telephone number is (571) 272-1160. The examiner can normally be reached on Monday through Friday from 6:30AM-4:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Blaine Copenheaver can be reached on (571) 272-1156. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Page 4

Application/Control Number: 10/629,643

Art Unit: 1724

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Peter A. Hruskoci Primary Examiner Art Unit 1724

6/28/04